Comparisons of Job Characteristics

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	19.9	21.5	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	14.2	7.3	<<	Extensive education and/or training may be required
Clerical	7.3	10.9	7.7	<<	Extensive education and/or training may be required
Communications and Media	5.3	8.0	5.5	<<	Extensive education and/or training may be required
Telecommunications	3.9	7.3	13.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Systems Analysis	6.5	10.6	11.1	0	Current skill level may be sufficient
Systems Evaluation	6.4	10.4	11.0	0	Current skill level may be sufficient
Programming	2.2	9.9	8.5	<	A higher skill level may be required
Operations Analysis	5.0	9.6	8.3	<	A higher skill level may be required
Technology Design	2.6	6.1	6.5	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 98

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Information Ordering	9.9	12.3	11.8	0	Current ability level may be sufficient
Category Flexibility	9.0	11.0	10.7	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.1	10.2	0	Current ability level may be sufficient
Fluency of Ideas	7.6	9.9	10.1	0	Current ability level may be sufficient
Originality	7.6	9.8	9.1	0	Current ability level may be sufficient
Selective Attention	8.7	9.8	9.9	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	9.7	7.9	<	Some improvement in abilities may be required
Number Facility	6.3	8.9	7.2	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Work Activities	Exclusivity of Activity
Adjust computer operation system	84
Communicate technical information	4
Confer with personnel to discuss security violations or programming	99
Evaluate computer system user requests or requirements	81
Follow data security procedures	77
Install security measures	99
Maintain or repair computers or related equipment	81
Plan computer security measures	95
Prepare instruction manuals	78
Provide technical support to computer users	80
Revise or correct errors in computer programs, software, or systems	85
Test computer programs or systems	78
Understand computer equipment operating manuals	84
Use computers to enter, access or retrieve data	3
Use interpersonal communication techniques	10

Use spreadsheet software	18
Use word processing or desktop publishing software	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Network and Computer Systems Administrators (15-1071)
Associated Occupation: Database Administrators (15-1061)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Educational or reference software	12
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Media storage devices	21
Network applications software	1
Networking software	21
Operating environment software	12
Security and protection software	30
Utility and device driver software	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.